# Translation





# **PCT**

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference H1702-01	FOR FURTHER ACTION		ionofTransmittalofInternational Preliminary Report (Form PCT/IPEA/416)
International application No.	International filing date (day)	month/year)	Priority date (day/month/year)
PCT/JP2003/005669  International Patent Classification (IPC) or a H01L 31/02, G11B 7/13	06 May 2003 (06.0 national classification and IPC	5.2003)	15 May 2002 (15.05.2002)
Applicant MATSU	SHITA ELECTRIC IND	USTRIAL C	CO., LTD.
and is transmitted to the applicant a  2. This REPORT consists of a total of	ccording to Article 36.	ling this cover s	
amended and are the basis for 70.16 and Section 607 of the	or this report and/or sheets cont e Administrative Instructions un	aining rectific	on, claims and/or drawings which have been ations made before this Authority (see Rule
These annexes consist of a t	otal of sheets.		
IV Lack of unity of in  V Reasoned statemer citations and expla	of opinion with regard to nove vention at under Article 35(2) with reganations supporting such statem cited	rd to novelty, i	tep and industrial applicability  nventive step or industrial applicability;
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	the international application	ion	
Date of submission of the demand	Date	of completion	of this report
20 August 2003 (20.0	8.2003)	19 D	ecember 2003 (19.12.2003)
Name and mailing address of the IPEA/JP	Aut	norized officer	
Facsimile No.	Tele	phone No.	



International application No.

# PCT/JP2003/005669

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

1. Basis of the report
1. With regard to the elements of the international application:*
the international application as originally filed
the description:
pages, as originally filed
pages, filed with the demand
pages, filed with the letter of
the claims:
nages
pages, as originary med pages, as amended (together with any statement under Article 19
pages, filed with the demand
pages, filed with the letter of
the drawings:
l —
71.1 -21.4 -1
pages, filed with the letter of
, mos was no outer or
the sequence listing part of the description:
pages, as originally filed
pages, filed with the demand
pages, filed with the letter of
2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.  These elements were available or furnished to this Authority in the following language which is:
the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
the language of publication of the international application (under Rule 48.3(b)).
the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).
3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:
contained in the international application in written form.
filed together with the international application in computer readable form.
furnished subsequently to this Authority in written form.
furnished subsequently to this Authority in computer readable form.
The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4. The amendments have resulted in the cancellation of:
the description, pages
the claims, Nos
the drawings, sheets/fig
5. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).
** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Intervional application No.
PCT/JP 03/05669

*	V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
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Statement			
Novelty (N)	Claims	7-8, 12-17	YES
	Claims	1-6, 9-11	NO
Inventive step (IS)	Claims	7-8	YES
	Claims	1-6, 9-17	NO
Industrial applicability (IA)	Claims	1-17	YES
	Claims		NO

#### 2. Citations and explanations

Document 1: JP 4-196588 A
Document 2: JP 4-152556 A

## Claims 1-5 and 9-11

Document 1 (the examples in fig. 1) discloses a photodiode formed from an adhesive layer (4), a transparent plate (5) and a reflection-preventing film (6) upon the light-receiving surface of a sealing member (3). Consequently, the invention set forth in claims 1-5 and 9-11 of the present application lacks novelty in the light of document 1.

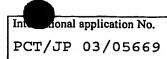
### Claims 1-6 and 10-11

Document 2 discloses an optical semiconductor chip wherein a reflection-preventing film (6) comprising a single-layer film or a multi-layer film is provided upon a resin film (5). Consequently, the invention set forth in claims 1-6 and 10-11 of the present application lacks novelty in the light of document 2.

#### Claims 12-17

It is common practice to employ photodiodes (optical semiconductor chips) such as those that are disclosed document 1 or document 2 in optical head devices or





optical information processing devices; therefore, the inventions set forth in claims 12-17 of the present application do not involve an inventive step in the light of these documents.